Answers [Year 3 Adult, Mental Health & Learning Disability Examples](http://www.qub.ac.uk/elearning/public/NumeracySkillsforDrugCalculations/Year3AdultMentalHealthLearningDisabilityExamples/), paper 2

**1a.** 0.5 grams= 0.5 x 1000 = 500 mg

**1b.** 0.25 mcg= 0.25 x 1000 = 250 ng

**1c.** 500 mL= 500 / 1000 = 0.5 L

**2.** Total Intake = 200+150+300+100+500 = 1250 mL

**3.** Percentage intake = (300 x 100%) / 1500 = 30000/1500 = 300/15 = 20 %

**4.** 100 / 50 = 10 / 5 = 2 mL

**5.** 200 mcg = 0.2 mg. (1/0.2) x (1/1)= 1/0.2 = 5/1 = 5mL

**6.** 750/250 = 75/25 = 15/5 = 3/1 = 3 tablets

**7.** 40mg + 20 mg

**8.** (8/10) x (1/1) = 8/10 = 0.8mL

**9.** (5/2.5) x (2/1) = 10/2.5 = 20/5 = 4mL. 4mL/2mL ampoules = 2 Ampoules.

**10.** 2000/5000 = 2/5 = 0.4 mL

**11.** 66 x 1.5 = 66 + 33 = 99mg

**12.** 25000/10000 = 25/10 = 2.5 mL

**13.** required = 63 x 150 = 9450 mcg = 9.45 mg. (9.45/5) x (10/1)= 94.5/5 => 945/5= 189, therefore, 94.5/5=18.9mL

**14.** (900/150) = 6 mL

**15.** 1.44G = 1440 mg. 1440 / 480 = 144 / 48 = 72 / 24 = 12 / 4 = 3 / 1 = 3 ampoules

**16.** 3000 / 24 = 1500 / 12 = 500 / 4 = 250 / 2 = 125 / 1 = 125 mL/hour

**19.** 500 / 8 = 250 / 4 = 125 / 2 = 62.5mL/hour

**20.** 1250 / 24 = 625 / 12 = 312.5 / 6. 3125 / 6 = 520.83, therefore, 312.5 / 6 = 52.083mL